

We claim:

1. A fire fighting foam concentrate comprising:

foamable fire fighting agent;

water-soluble dye; and

glycol ether.

2. The fire fighting foam concentrate of claim 1 where the foamable fire fighting agent comprises fluorosurfactant-based foamable fire fighting agent.

3. The fire fighting foam concentrate of claim 2 wherein the foamable fire fighting agent is alcohol resistant.

4. The fire fighting foam concentrate of claim 2 where the foamable fire fighting agent is non-alcohol resistant fluorosurfactant-based foamable fire fighting agent.

5. The fire fighting foam concentrate of claim 2 further comprising hydrocarbon based foamable fire fighting agent.

6. The fire fighting foam concentrate of claim 1, comprising:
not more than 40% by weight of the foamable fire fighting agent, based on the weight of the fire fighting foam concentrate;

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B1

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not more than 2% by weight of the water-soluble dye, based on the weight of the fire fighting foam concentrate; and

not more than 20% by weight of the glycol ether, based on the weight of the fire fighting foam concentrate.

7. The fire fighting foam concentrate of claim 1, comprising:

not less than 1% by weight of the foamable fire fighting agent, based on the weight of the fire fighting foam concentrate;

not less than 0.0001% by weight of the water-soluble dye, based on the weight of the fire fighting foam concentrate; and

not less than 5% by weight of the glycol ether, based on the weight of the fire fighting foam concentrate.

8. A fire fighting foam concentrate comprising:

fluorosurfactant-based foamable fire fighting agent; and
water-soluble dye.

9. The fire fighting foam concentrate of claim 8, further comprising:

hydrocarbon-based foamable fire fighting agent.

10. The fire fighting foam concentrate of claim 8 wherein the fluorosurfactant-based foamable fire fighting agent is alcohol resistant.

diluent.

diluent.

water soluble dye,

b) obtaining a sample of the resultant mixture; and

c) comparing the spectral property of the sample to a preestablished standard.

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14. The method of claim 13, further comprising determining the concentration of fire fighting foam concentrate in the resultant mixture.

15. The method of claim 13, wherein the spectral property comprises color intensity.

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16. The method of claim 13, wherein the spectral property comprises absorption of light at a particular wavelength.

17. The method of claim 13, further comprising:

d) between steps a and b, foaming the resultant mixture and permitting the foamed resultant mixture to relax back into liquid form.

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